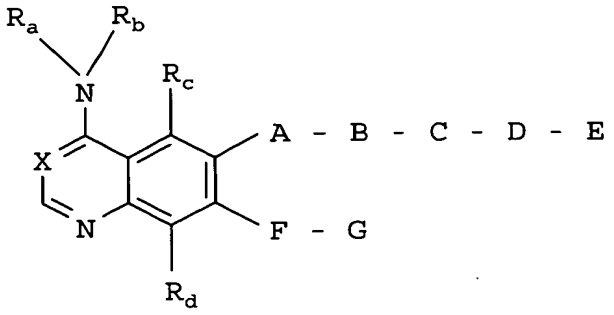
Amendments to the Claims

Please amend the claims as shown below.

Claims 1-4 (cancelled)

Claim 5 (previously presented): A compound of the formula



, (I)

C1

wherein

R_a denotes a hydrogen atom or a C_{1-4}-alkyl group,

R_b denotes a phenyl, benzyl or 1-phenylethyl group wherein the phenyl nucleus is substituted in each case by the groups R_1 to R_3, whilst

R_1 and R_2, which may be identical or different, in each case denote a hydrogen, fluorine, chlorine, bromine or iodine atom,

a C_{1-4}-alkyl, hydroxy, C_{1-4}-alkoxy, C_{3-6}-cycloalkyl, C_{4-6}-cycloalkoxy, C_{2-5}-alkenyl or C_{2-5}-alkynyl group,

an aryl, aryloxy, arylmethyl or arylmethoxy group,

a C_{3-5}-alkenyloxy or C_{3-5}-alkynyloxy group, wherein the unsaturated moiety may not be linked to the oxygen atom,

a C_{1-4}-alkylsulphenyl, C_{1-4}-alkylsulphinyl, C_{1-4}-alkylsulphonyl, C_{1-4}-alkylsulphonyloxy, trifluoromethylsulphenyl, trifluoromethylsulphinyl or trifluoromethylsulphonyl group,

a methyl or methoxy group substituted by 1 to 3 fluorine atoms,

an ethyl or ethoxy group substituted by 1 to 5 fluorine atoms,

a cyano or nitro group or an amino group optionally substituted by one or two C_{1-4}-alkyl groups, wherein the substituents may be identical or different, or

R_1 together with R_2, if they are bound to adjacent carbon atoms, denote a -CH=CH-CH=CH, -CH=CH-NH or -CH=N-NH group and

Cl

R_3 denotes a hydrogen, fluorine, chlorine or bromine atom,

a C_{1-4}-alkyl, trifluoromethyl or C_{1-4}-alkoxy group,

R_c and R_d, which may be identical or different, in each case denote a hydrogen, fluorine or chlorine atom, a methoxy group, or a methyl group optionally substituted by a methoxy, dimethylamino, diethylamino, pyrrolidino, piperidino or morpholino group,

X denotes a methine group substituted by a cyano group or a nitrogen atom,

A denotes an oxygen atom or an -NH- group optionally substituted by a C_{1-4}-alkyl group,

B denotes a carbonyl or sulphonyl group,

C denotes a 1,3-allenylene, 1,1 or 1,2-vinylene group which may be substituted in each case by one or two methyl groups or by a trifluoromethyl group,

an ethynylene group or

a 1,3-butadien-1,4-ylene group optionally substituted by 1 to 4 methyl groups or by a trifluoromethyl group,

D denotes an alkylene, -CO-alkylene or -SO_2-alkylene group wherein the alkylene moiety in each case contains 1 to 8 carbon atoms and additionally 1 to 4 hydrogen atoms in the alkylene moiety may be replaced by fluorine atoms, whilst the linking of the -CO-alkylene and -SO_2-alkylene group to the adjacent group C in each case must take place via the carbonyl or sulphonyl group,

a -CO-O-alkylene, -CO-NR_4-alkylene or -SO_2-NR_4-alkylene group wherein the alkylene moiety in each case contains 1 to 8 carbon atoms, whilst the linking to the adjacent group C in each case must take place via the carbonyl or sulphonyl group wherein

R_4 denotes a hydrogen atom or a C_{1-4}-alkyl group,

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or, if D is bound to a carbon atom of the group E, it may also denote a bond

or, if D is bound to a nitrogen atom of the group E, it may also denote a carbonyl or sulphonyl group,

E denotes an R_6O-CO-alkylene-NR_5, (R_7O-PO-OR_8)-alkylene-NR_5 or (R_7O-PO-R_9)-alkylene-NR_5-group wherein in each case the alkylene moiety, which is straight-chained and contains 1 to 6 carbon atoms, may additionally be substituted by one or two C_{1-2}-alkyl groups or by an R_6O-CO or R_6O-CO-C_{1-2}-alkyl group, wherein

R_5 denotes a hydrogen atom,

a C_{1-4}-alkyl group, which may be substituted by an R_6O-CO, (R_7O-PO-OR_8) or (R_7O-PO-R_9) group,

an ethyl or propyl group optionally substituted by one or two methyl or ethyl groups, which may be terminally substituted in each case by a C_{1-6}-alkylcarbonylsulphenyl, C_{3-7}-cycloalkylcarbonylsulphenyl, C_{3-7}-cycloalkyl-C_{1-3}-alkylcarbonylsulphenyl, arylcarbonylsulphenyl or aryl-C_{1-3}-alkylcarbonylsulphenyl group,

an ethyl or propyl group optionally substituted by one or two methyl or ethyl groups which may be terminally substituted in each case by a C_{1-6}-alkylcarbonyloxy, C_{3-7}-cycloalkylcarbonyloxy, C_{3-7}-cycloalkyl-C_{1-3}-alkylcarbonyloxy, arylcarbonyloxy or aryl-C_{1-3}-alkylcarbonyloxy group,

an ethyl or propyl group optionally substituted by one or two methyl or ethyl groups, each of which may be terminally substituted by a hydroxy, C_{1-4}-alkoxy, amino, C_{1-4}-alkylamino or di-(C_{1-4}-alkyl)-amino group or by a 4- to 7-membered alkyleneimino group, whilst in the abovementioned 6- to 7-membered alkyleneimino groups a methylene group in the 4 position may be replaced by an oxygen or sulphur atom, by a sulphinyl, sulphonyl, imino or N-(C_{1-4}-alkyl)-imino group,

a C_{3-7}-cycloalkyl or C_{3-7}-cycloalkyl-C_{1-3}-alkyl group,

C 1

R_6, R_7 and R_8, which may be identical or different, in each case denote a hydrogen atom,

a C_{1-8}-alkyl group, which may be substituted by a hydroxy, C_{1-4}-alkoxy, amino, C_{1-4}-alkylamino or di-(C_{1-4}-alkyl)-amino group or by a 4- to 7-membered alkyleneimino group, whilst in the abovementioned 6- to 7-membered alkyleneimino groups in each case a methylene group in the 4 position may be replaced by an oxygen or sulphur atom or by a sulphinyl, sulphonyl, imino or N-(C_{1-4}-alkyl)-imino group,

a C_{4-7}-cycloalkyl group optionally substituted by 1 or 2 methyl groups,

a C_{3-5}-alkenyl or C_{3-5}-alkynyl group, wherein the unsaturated part may not be linked to the oxygen atom,

a C_{3-7}-cycloalkyl-C_{1-4}-alkyl, aryl, aryl-C_{1-4}-alkyl or R_gCO-O-(R_eCR_f)-group, whilst

R_e and R_f, which may be identical or different, in each case denote a hydrogen atom or a C_{1-4}-alkyl group and

R_g denotes a C_{1-4}-alkyl, C_{3-7}-cycloalkyl, C_{1-4}-alkoxy or C_{5-7}-cycloalkoxy group,

and R_9 denotes a C_{1-4}-alkyl, aryl or aryl-C_{1-4}-alkyl group,

a 4- to 7-membered alkyleneimino group which may be substituted by an R_6O-CO, (R_7O-PO-OR_8), (R_7O-PO-R_9), R_6O-CO-C_{1-4}-alkyl, bis-(R_6O-CO)-C_{1-4}-alkyl, (R_7O-PO-OR_8)-C_{1-4}-alkyl or (R_7O-PO-R_9)-C_{1-4}-alkyl group wherein R_6 to R_9 are as hereinbefore defined,

a 4- to 7-membered alkyleneimino group which is substituted by two R_6OCO or R_6OCO-C_{1-4}-alkyl groups or by an R_6OCO-group and an R_6OCO-C_{1-4}-alkyl group wherein R_6 is as hereinbefore defined,

a piperazino or homopiperazino group which is substituted in the 4 position by the group R_{10} and is additionally substituted at a cyclic carbon atom by an R_6O-CO, (R_7O-PO-OR_8), (R_7O-PO-R_9), R_6O-CO-C_{1-4}-alkyl, bis-(R_6O-CO)-C_{1-4}-alkyl, (R_7O-PO-OR_8)-C_{1-4}-alkyl or (R_7O-PO-R_9)-C_{1-4}-alkyl group wherein R_6 to R_9 are as hereinbefore defined and

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R_{10} denotes a hydrogen atom, a C_{1-4}-alkyl, formyl, C_{1-4}-alkylcarbonyl or C_{1-4}-alkylsulphonyl group,

a piperazino or homopiperazino group which is substituted in the 4 position by the group R_{10} and additionally at cyclic carbon atoms by two R_6O-CO or R_6O-CO-C_{1-4}-alkyl groups or by an R_6O-CO-group and an R_6O-CO-C_{1-4}-alkyl group wherein R_6 and R_{10} are as hereinbefore defined,

a piperazino or homopiperazino group which is substituted in each case in the 4 position by an R_6O-CO-C_{1-4}-alkyl, bis-(R_6O-CO)-C_{1-4}-alkyl, (R_7O-PO-OR_8)-C_{1-4}-alkyl or (R_7O-PO-R_9)-C_{1-4}-alkyl group wherein R_6 to R_9 are as hereinbefore defined,

a piperazino or homopiperazino group which is substituted in the 4 position by an R_6O-CO-C_{1-4}-alkyl, bis-(R_6O-CO)-C_{1-4}-alkyl, (R_7O-PO-OR_8)-C_{1-4}-alkyl or (R_7O-PO-R_9)-C_{1-4}-alkyl group and is additionally substituted at cyclic carbon atoms by one or two R_6O-CO or R_6O-CO-C_{1-4}-alkyl groups or by an R_6O-CO-group and an R_6O-CO-C_{1-4}-alkyl group wherein R_6 to R_9 are as hereinbefore defined,

a morpholino or homomorpholino group which is substituted in each case by an R_6O-CO, (R_7O-PO-OR_8), (R_7O-PO-R_9), R_6O-CO-C_{1-4}-alkyl, bis-(R_6O-CO)-C_{1-4}-alkyl, (R_7O-PO-OR_8)-C_{1-4}-alkyl or (R_7O-PO-R_9)-C_{1-4}-alkyl group wherein R_6 to R_9 are as hereinbefore defined,

a morpholino or homomorpholino group which is substituted by two R_6O-CO or R_6O-CO-C_{1-4}-alkyl groups or by an R_6O-CO-group and an R_6O-CO-C_{1-4}-alkyl group wherein R_6 is as hereinbefore defined,

a pyrrolidinyl, piperidinyl or hexahydroazepinyl group substituted in the 1 position by the group R_{10}, whilst the abovementioned 5- to 7-membered rings are additionally substituted in each case at a carbon atom by an R_6O-CO, (R_7O-PO-OR_8), (R_7O-PO-R_9), R_6O-CO-C_{1-4}-alkyl, bis-(R_6O-CO)-C_{1-4}-alkyl, (R_7O-PO-OR_8)-C_{1-4}-alkyl or (R_7O-PO-R_9)-C_{1-4}-alkyl group wherein R_6 to R_{10} are as hereinbefore defined,

C1 a pyrrolidinyl, piperidinyl or hexahydroazepinyl group substituted in the 1 position by the group R_{10}, while the abovementioned 5- to 7-membered rings are in each case additionally substituted at carbon atoms by two R_6O-CO or R_6O-CO-C_{1-4}-alkyl groups or by an R_6O-CO-group and an R_6O-CO-C_{1-4}-alkyl group wherein R_6 and R_{10} are as hereinbefore defined,

a pyrrolidinyl, piperidinyl or hexahydroazepinyl group substituted in the 1 position by an R_6O-CO-C_{1-4}-alkyl, bis-(R_6O-CO)-C_{1-4}-alkyl, (R_7O-PO-OR_8)-C_{1-4}-alkyl or (R_7O-PO-R_9)-C_{1-4}-alkyl group wherein R_6 to R_9 are as hereinbefore defined,

a pyrrolidinyl, piperidinyl or hexahydroazepinyl group substituted in the 1 position by an R_6O-CO-C_{1-4}-alkyl, bis-(R_6O-CO)-C_{1-4}-alkyl, (R_7O-PO-OR_8)-C_{1-4}-alkyl or (R_7O-PO-R_9)-C_{1-4}-alkyl group, while the abovementioned 5- to 7-membered rings are in each case additionally substituted at carbon atoms by one or two R_6O-CO or R_6O-CO-C_{1-4}-alkyl groups or by an R_6O-CO-group and an R_6O-CO-C_{1-4}-alkyl group wherein R_6 to R_9 are as hereinbefore defined,

a 2-oxo-morpholino group which may be substituted by 1 to 4 C_{1-2}-alkyl groups,

a 2-oxo-thiomorpholino group which may be substituted by 1 to 4 C_{1-2}-alkyl groups,

a morpholino or thiomorpholino group which is substituted in the 2 position by a C_{1-4}-alkoxy group,

a morpholino or thiomorpholino group which is substituted in the 2 and 6 positions by a C_{1-4}-alkoxy group,

a C_{1-4}-alkyl-NR_5-group wherein the C_{1-4}-alkyl moiety, which is straight-chained and may additionally be substituted by one or two methyl groups, is in each case terminally substituted by a di-(C_{1-4}-alkoxy)-methyl or tri-(C_{1-4}-alkoxy)-methyl group, whilst R_5 is as hereinbefore defined,

a C_{1-4}-alkyl-NR_5-group wherein the C_{1-4}-alkyl moiety, which is straight-chained and may additionally be substituted by one or two methyl groups, is in each case terminally substituted by a 1,3-dioxolan-2-yl or 1,3-dioxan-2-yl group optionally substituted by one or two methyl groups, while R_5 is as hereinbefore defined,

an $R_{11}NR_5$-group wherein R_5 is as hereinbefore defined and

R_{11} denotes a 2-oxo-tetrahydrofuran-3-yl, 2-oxo-tetrahydrofuran-4-yl, 2-oxo-tetrahydropyran-3-yl, 2-oxo-tetrahydropyran-4-yl, 2-oxo-tetrahydropyran-5-yl, 2-oxo-tetrahydrothiophen-3-yl, 2-oxo-tetrahydrothiophen-4-yl, 2-oxo-tetrahydrothiopyran-3-yl, 2-oxo-tetrahydrothiopyran-4-yl or 2-oxo-tetrahydrothiopyran-5-yl group optionally substituted by one or two methyl groups,

or D together with E denotes an R_gCO-O-(R_eCR_f)-O-CO, (R_7O-PO-OR_8) or (R_7O-PO-R_9)-group wherein R_e to R_g and R_7 to R_9 are as hereinbefore defined,

F and G together denote a hydrogen atom,
a C_{1-6}-alkoxy group optionally substituted from position 2 onwards by a hydroxy or C_{1-4}-alkoxy group,
a C_{3-7}-cycloalkoxy or C_{3-7}-cycloalkyl-C_{1-4}-alkoxy group,

whilst by the aryl moieties mentioned in the definitions of the abovementioned groups is meant a phenyl group which in each case may be monosubstituted by R_{12}, mono-, di- or

trisubstituted by R_{13} or monosubstituted by R_{12} and additionally mono- or disubstituted by R_{13}, whilst the substituents may be identical or different and

R_{12} denotes a cyano, carboxy, C_{1-4}-alkoxycarbonyl, aminocarbonyl, C_{1-4}-alkylaminocarbonyl, di-(C_{1-4}-alkyl)-aminocarbonyl, C_{1-4}-alkylsulphenyl, C_{1-4}-alkylsulphinyl, C_{1-4}-alkylsulphonyl, hydroxy, C_{1-4}-alkylsulphonyloxy, trifluoromethyloxy, nitro, amino, C_{1-4}-alkylamino, di-(C_{1-4}-alkyl)-amino, C_{1-4}-alkyl-carbonylamino, N-(C_{1-4}-alkyl)-C_{1-4}-alkylcarbonylamino, C_{1-4}-alkylsulphonylamino, N-(C_{1-4}-alkyl)-C_{1-4}-alkylsulphonylamino, aminosulphonyl, C_{1-4}-alkylaminosulphonyl or di-(C_{1-4}-alkyl)-aminosulphonyl group or a carbonyl group, which is substituted by a 5- to 7-membered alkyleneimino group, wherein in the abovementioned 6- to 7-membered alkyleneimino groups in each case a methylene group in the 4 position may be replaced by an oxygen or sulphur atom, by a sulphinyl, sulphonyl, imino or N-(C_{1-4}-alkyl)-imino-group, and

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R_{13} denotes a fluorine, chlorine, bromine or iodine atom, a C_{1-4}-alkyl, trifluoromethyl or C_{1-4}-alkoxy group or

two groups R_{13}, if they are bound to adjacent carbon atoms, together denote a C_{3-5}-alkylene, methylenedioxy or 1,3-butadien-1,4-ylene group,

or a tautomer or salt thereof.

Claim 6 (previously presented): A compound of the formula I according to claim 5, wherein

R_a denotes a hydrogen atom,

R_b denotes a phenyl, benzyl or 1-phenylethyl group wherein the phenyl nucleus is substituted in each case by the groups R_1 to R_3, while

R_1 and R_2, which may be identical or different, each denote a hydrogen, fluorine, chlorine, bromine or iodine atom,

a methyl, ethyl, hydroxy, methoxy, ethoxy, amino, cyano, vinyl or ethynyl group,

an aryl, aryloxy, arylmethyl or arylmethoxy group,

a methyl or methoxy group substituted by 1 to 3 fluorine atoms or

R_1 together with R_2, if they are bound to adjacent carbon atoms, denote a -CH=CH-CH=CH, -CH=CH-NH or -CH=N-NH group and

R_3 denotes a hydrogen, fluorine, chlorine or bromine atom,

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R_c and R_d in each case denote a hydrogen atom,

X denotes a methine group substituted by a cyano group or a nitrogen atom,

A denotes an -NH- group optionally substituted by a methyl or ethyl group,

B denotes a carbonyl group,

C denotes a 1,1- or 1,2-vinylene group which is substituted in each case by one or two methyl groups or may be substituted by a trifluoromethyl group,

an ethynylene group or

a 1,3-butadien-1,4-ylene group optionally substituted by a methyl or trifluoromethyl group,

D denotes an alkylene or -CO-alkylene group wherein the alkylene moiety in each case contains 1 to 4 carbon atoms, while the linking of the -CO-alkylene group to the adjacent group C in each case must take place via the carbonyl group,

a -CO-O-alkylene or -CO-NR_4-alkylene- group wherein the alkylene moiety in each case contains 1 to 4 carbon atoms, while the linking to the adjacent group C in each case must take place via the carbonyl group wherein

R_4 denotes a hydrogen atom or a methyl or ethyl group,

or, if D is bound to a carbon atom of the group E, it may also denote a bond

or, if D is bound to a nitrogen atom of the group E, it may also denote a carbonyl or sulphonyl group,

E denotes an R_6O-CO-alkylene-NR_5, (R_7O-PO-OR_8)-alkylene-NR_5 or (R_7O-PO-R_9)-alkylene-NR_5 group wherein in each case the alkylene moiety, which is straight-chained and contains 1 to 4 carbon atoms, may additionally be substituted by one or two C_{1-2}-alkyl groups or by an R_6O-CO or R_6O-CO-C_{1-2}-alkyl group, while

R_5 denotes a hydrogen atom,

a C_{1-4}-alkyl group which may be substituted by an R_6O-CO group,

an ethyl or propyl group optionally substituted by one or two methyl or ethyl groups which is terminally substituted in each case by a hydroxy, C_{1-4}-alkoxy, di-(C_{1-4}-alkyl)amino, C_{1-6}-alkylcarbonylsulphenyl, C_{3-6}-cycloalkylcarbonylsulphenyl, C_{3-6}-cycloalkyl-C_{1-3}-alkylcarbonylsulphenyl, arylcarbonylsulphenyl or aryl-C_{1-3}-alkylcarbonylsulphenyl group,

an ethyl or propyl group optionally substituted by one or two methyl or ethyl groups which is terminally substituted in each case by a C_{1-6}-alkylcarbonyloxy, C_{3-6}-cycloalkylcarbonyloxy, C_{3-6}-cycloalkyl-C_{1-3}-alkylcarbonyloxy, arylcarbonyloxy or aryl-C_{1-3}-alkylcarbonyloxy group,

a C_{3-6}-cycloalkyl or C_{3-6}-cycloalkyl-C_{1-3}-alkyl group,

R_6, R_7 and R_8, which may be identical or different, in each case denote a hydrogen atom,

a C_{1-8}-alkyl group which may be substituted by a hydroxy, C_{1-4}-alkoxy, or di-(C_{1-4}-alkyl)-amino group or by a 4- to 7-membered alkyleneimino group, while in the abovementioned 6- to 7-membered alkyleneimino groups in each case a methylene group in the 4 position may be replaced by an oxygen atom or by an N-(C_{1-2}-alkyl)-imino group,

a C_{4-6}-cycloalkyl group,

a C_{3-5}-alkenyl or C_{3-5}-alkynyl group, while the unsaturated moiety may not be linked to the oxygen atom,

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a C_{3-6}-cycloalkyl-C_{1-4}-alkyl, aryl, aryl-C_{1-4}-alkyl or R_gCO-O-(R_eCR_f) group, while

R_e and R_f, which may be identical or different, in each case denote a hydrogen atom or a C_{1-4}-alkyl group and

R_g denotes a C_{1-4}-alkyl, C_{3-6}-cycloalkyl, C_{1-4}-alkoxy or C_{5-6}-cycloalkoxy group,

and R_9 denotes a C_{1-4}-alkyl group,

a 4- to 7-membered alkyleneimino group which is substituted by an R_6O-CO, R_6O-CO-C_{1-4}-alkyl or bis-(R_6O-CO)-C_{1-4}-alkyl group wherein R_6 is as hereinbefore defined,

a 4- to 7-membered alkyleneimino group which is substituted by two R_6O-CO or R_6O-CO-C_{1-4}-alkyl groups wherein R_6 is as hereinbefore defined,

a piperazino or homopiperazino group which is substituted in the 4 position by the group R_{10} and additionally at a cyclic carbon atom by an R_6O-CO, R_6O-CO-C_{1-4}-alkyl or bis-(R_6O-CO)-C_{1-4}-alkyl group wherein R_6 is as hereinbefore defined and

R_{10} denotes a hydrogen atom, a methyl or ethyl group,

a piperazino or homopiperazino group which is substituted in the 4 position by the group R_{10} and is additionally substituted at cyclic carbon atoms by two R_6O-CO or R_6O-CO-C_{1-4}-alkyl groups wherein R_6 and R_{10} are as hereinbefore defined,

a piperazino or homopiperazino group which is substituted in each case in the 4 position by an R_6O-CO-C_{1-4}-alkyl, bis-(R_6O-CO)-C_{1-4}-alkyl, (R_7O-PO-OR_8)-C_{1-4}-alkyl or (R_7O-PO-R_9)-C_{1-4}-alkyl group wherein R_6 to R_9 are as hereinbefore defined,

a piperazino or homopiperazino group which is substituted in the 4 position by an R_6O-CO-C_{1-4}-alkyl or bis-(R_6O-CO)-C_{1-4}-alkyl group and is additionally substituted at cyclic carbon atoms by one or two R_6O-CO or R_6O-CO-C_{1-4}-alkyl groups wherein R_6 is as hereinbefore defined,

C 1

a morpholino or homomorpholino group which is substituted in each case by an R_6O-CO, R_6O-CO-C_{1-4}-alkyl, or bis-(R_6O-CO)-C_{1-4}-alkyl group wherein R_6 is as hereinbefore defined,

a morpholino or homomorpholino group which is substituted by two R_6O-CO or R_6O-CO-C_{1-4}-alkyl groups wherein R_6 is as hereinbefore defined,

a pyrrolidinyl, piperidinyl or hexahydroazepinyl group substituted in the 1 position by the group R_{10}, while the abovementioned 5- to 7-membered rings in each case are additionally substituted at a carbon atom by an R_6O-CO, R_6O-CO-C_{1-4}-alkyl or bis-(R_6O-CO)-C_{1-4}-alkyl group wherein R_6 and R_{10} are as hereinbefore defined,

a pyrrolidinyl, piperidinyl or hexahydroazepinyl group substituted in the 1 position by the group R_{10}, while the abovementioned 5- to 7-membered rings in each case are additionally substituted at carbon atoms by two R_6O-CO or R_6O-CO-C_{1-4}-alkyl groups wherein R_6 and R_{10} are as hereinbefore defined,

a pyrrolidinyl, piperidinyl or hexahydroazepinyl group substituted in the 1 position by an R_6O-CO-C_{1-4}-alkyl, bis-(R_6O-CO)-C_{1-4}-alkyl, (R_7O-PO-OR_8)-C_{1-4}-alkyl or (R_7O-PO-R_9)-C_{1-4}-alkyl group wherein R_6 to R_9 are as hereinbefore defined,

a pyrrolidinyl, piperidinyl or hexahydroazepinyl group substituted in the 1 position by an R_6O-CO-C_{1-4}-alkyl or bis-(R_6O-CO)-C_{1-4}-alkyl group, while the abovementioned 5- to 7-membered rings in each case are additionally substituted at carbon atoms by one or two R_6O-CO or R_6O-CO-C_{1-4}-alkyl groups wherein R_6 is as hereinbefore defined,

a 2-oxo-morpholino group which may be substituted by 1 to 4 C_{1-2}-alkyl groups,

a 2-oxo-thiomorpholino group which may be substituted by 1 to 4 C_{1-2}-alkyl groups,

a morpholino group which is substituted in the 2 position by a C_{1-4}-alkoxy group,

a morpholino group which is substituted in the 2 and 6 positions in each case by a C_{1-4}-alkoxy group,

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a C_{1-4}-alkyl-NR_5 group wherein the C_{1-4}-alkyl moiety, which is straight-chained, is terminally substituted by a di-(C_{1-4}-alkoxy)-methyl group, while R_5 is as hereinbefore defined,

a C_{1-4}-alkyl-NR_5 group wherein the C_{1-4}-alkyl moiety, which is straight-chained, is terminally substituted by a 1,3-dioxolan-2-yl or 1,3-dioxan-2-yl group, while R_5 is as hereinbefore defined,

a $R_{11}NR_5$ group wherein R_5 is as hereinbefore defined and

R_{11} denotes a 2-oxo-tetrahydrofuran-3-yl, 2-oxo-tetrahydrofuran-4-yl, 2-oxo-tetrahydropyran-3-yl, 2-oxo-tetrahydropyran-4-yl, 2-oxo-tetrahydropyran-5-yl, 2-oxo-tetrahydrothiophen-3-yl, 2-oxo-tetrahydrothiophen-4-yl, 2-oxo-tetrahydrothiopyran-3-yl, 2-oxo-tetrahydrothiopyran-4-yl or 2-oxo-tetrahydrothiopyran-5-yl group optionally substituted by one or two methyl groups,

or D together with E denotes an R_gCO-O-(R_eCR_f)-O-CO or (R_7O-PO-OR_8) group wherein R_e to R_g and R_7 to R_9 are as hereinbefore defined,

F and G together denote a hydrogen atom,

a C_{1-6}-alkoxy group optionally substituted from position 2 by a hydroxy or C_{1-4}-alkoxy group,

a C_{4-7}-cycloalkoxy or C_{3-7}-cycloalkyl-C_{1-4}-alkoxy group,

whilst by the aryl moieties mentioned in the definitions of the abovementioned groups is meant a phenyl group which in each case may be monosubstituted by R_{12}, mono- or disubstituted by R_{13} or monosubstituted by R_{12} and additionally mono- or disubstituted by R_{13}, whilst the substituents may be identical or different and

R_{12} denotes a cyano, C_{1-2}-alkoxycarbonyl, aminocarbonyl, C_{1-2}-alkylaminocarbonyl, di-(C_{1-2}-alkyl)-aminocarbonyl, C_{1-2}-alkylsulphenyl, C_{1-2}-alkylsulphinyl, C_{1-2}-alkylsulphonyl, hydroxy, nitro, amino, C_{1-2}-alkylamino or di-(C_{1-2}-alkyl)-amino, and

R_{13} denotes a fluorine, chlorine, bromine or iodine atom, a C_{1-2}-alkyl, trifluoromethyl or C_{1-2}-alkoxy group or

two groups R_{13}, if they are bound to adjacent carbon atoms, together denote a C_{3-5}-alkylene, methylenedioxy or 1,3-butadien-1,4-ylene group,

or a tautomer or salt thereof.

Claim 7 (previously presented): A compound of the formula I according to claim 5, wherein

R_a denotes a hydrogen atom,

R_b denotes a phenyl, benzyl or 1-phenylethyl group wherein the phenyl nucleus is substituted in each case by the groups R_1 to R_3, while

R_1 and R_2, which may be identical or different, each denote a hydrogen, fluorine, chlorine or bromine atom, or a methyl, trifluoromethyl, methoxy, ethynyl or cyano group,

R_3 denotes a hydrogen atom,

R_c and R_d in each case denote a hydrogen atom,

X denotes a methine group substituted by a cyano group, or a nitrogen atom,

A denotes an –NH- group,

B denotes a carbonyl group,

C denotes a 1,1- or 1,2-vinylene group,

an ethynylene group or

C1

a 1,3-butadien-1,4-ylene group,

D denotes a C_{1-4}-alkylene group,

a -CO-NR_4-alkylene group wherein the alkylene moiety contains 2 to 4 carbon atoms, while the linking to the adjacent group C in each case must take place via the carbonyl group, wherein

R_4 denotes a hydrogen atom,

or, if D is bound to a carbon atom of the group E, it may also denote a bond

or, if D is bound to a nitrogen atom of the group E, it may also denote a carbonyl group,

E denotes an R_6O-CO-alkylene-NR_5, (R_7O-PO-OR_8)-alkylene-NR_5 or (R_7O-PO-R_9)-alkylene-NR_5 group wherein in each case the alkylene moiety, which is straight-chained and contains 1 to 4 carbon atoms, may additionally be substituted by one or two C_{1-2}-alkyl groups or by an R_6O-CO or R_6O-CO-C_{1-2}-alkyl group, while

R_5 denotes a hydrogen atom,

a C_{1-4}-alkyl group which may be substituted by an R_6O-CO group,

an ethyl group optionally substituted by one or two methyl or ethyl groups which is terminally substituted by a C_{1-4}-alkylcarbonylsulphenyl, arylcarbonylsulphenyl or arylmethylcarbonylsulphenyl group,

an ethyl group optionally substituted by one or two methyl or ethyl groups which is terminally substituted by a hydroxy, C_{1-4}-alkylcarbonyloxy, arylcarbonyloxy or arylmethylcarbonyloxy group,

a 2,2-dimethoxyethyl or 2,2-diethoxyethyl group,

C 1

a C_{3-6}-cycloalkyl or C_{3-6}-cycloalkyl-methyl group,

R_6, R_7 and R_8, which may be identical or different, in each case denote a hydrogen atom,

a C_{1-8}-alkyl group,

a cyclopentyl, cyclopentylmethyl, cyclohexyl or cyclohexylmethyl group,

an aryl, arylmethyl or R_gCO-O-(R_eCR_f) group, wherein

R_e denotes a hydrogen atom or a C_{1-4}-alkyl group,

R_f denotes a hydrogen atom and

R_g denotes a C_{1-4}-alkyl, cyclopentyl, cyclohexyl, C_{1-4}-alkoxy, cyclopentyloxy or cyclohexyloxy group,

and R_9 denotes a methyl or ethyl group,

a pyrrolidino or piperidino group which is substituted by an R_6O-CO or R_6O-CO-C_{1-2}-alkyl group wherein R_6 is as hereinbefore defined,

a pyrrolidino or piperidino group which is substituted by two R_6O-CO or R_6O-CO-C_{1-2}-alkyl groups wherein R_6 is as hereinbefore defined,

a piperazino group which is substituted in the 4 position by the group R_{10} and is additionally substituted at a cyclic carbon atom by an R_6O-CO or R_6O-CO-C_{1-2}-alkyl group, while R_6 is as hereinbefore defined and

R_{10} denotes a hydrogen atom, a methyl or ethyl group,

a piperazino group which is substituted in the 4 position by an R_6O-CO-C_{1-4}-alkyl, bis-(R_6O-CO)-C_{1-4}-alkyl or (R_7O-PO-OR_8)-C_{1-2}-alkyl group wherein R_6 to R_8 are as hereinbefore defined,

a piperazino group which is substituted in the 4 position by an R_6O-CO-C_{1-2}-alkyl group and is additionally substituted at a cyclic carbon atom by an R_6O-CO or R_6O-CO-C_{1-2}-alkyl group wherein R_6 is as hereinbefore defined,

a morpholino group which is substituted by an R_6O-CO or R_6O-CO-C_{1-2}-alkyl group, while R_6 is as hereinbefore defined,

a piperidinyl group substituted in the 1 position by an R_6O-CO-C_{1-4}-alkyl, bis-(R_6O-CO)-C_{1-4}-alkyl or (R_7O-PO-OR_8)-C_{1-2}-alkyl group wherein R_6 to R_8 are as hereinbefore defined,

a 2-oxo-morpholino group which may be substituted by 1 to 2 C_{1-2}-alkyl groups,

a 2-oxo-thiomorpholino group which may be substituted by 1 to 2 C_{1-2}-alkyl groups,

a morpholino group which is substituted in the 2 position by a methoxy or ethoxy group,

a morpholino group which is substituted in the 2 and 6 positions in each case by a methoxy or ethoxy group,

a 2,2-dimethoxyethyl-NR_5, 2,2-diethoxyethyl-NR_5, 1,3-dioxolan-2-yl-methyl-NR_5 or 1,3-dioxan-2-yl-methyl-NR_5 group wherein R_5 is as hereinbefore defined,

a N-methyl-$R_{11}N$ or N-ethyl-$R_{11}N$ group wherein

R_{11} denotes a 2-oxo-tetrahydrofuran-3-yl, 2-oxo-tetrahydrofuran-4-yl, 2-oxo-tetrahydropyran-3-yl, 2-oxo-tetrahydropyran-4-yl, 2-oxo-tetrahydropyran-5-yl, 2-oxo-tetrahydrothiophen-3-yl, 2-oxo-tetrahydrothiophen-4-yl, 2-oxo-tetrahydrothiopyran-3-yl, 2-oxo-tetrahydrothiopyran-4-yl or 2-oxo-tetrahydrothiopyran-5-yl group optionally substituted by one or two methyl groups,

or D together with E denotes an R_gCO-O-(R_eCR_f)-O-CO or (R_7O-PO-OR_8) group wherein R_e to R_g and R_7 and R_8 are as hereinbefore defined,

C 1

F and G together denote a hydrogen atom, a methoxy, ethoxy, C_{4-6}-cycloalkoxy or C_{3-6}-cycloalkyl-C_{1-3}-alkoxy group,

while the aryl moieties mentioned in the definition of the abovementioned groups denote a phenyl group which may be mono- or disubstituted by R_{13}, while the substituents may be identical or different and

R_{13} denotes a fluorine, chlorine, bromine or iodine atom, a C_{1-2}-alkyl, trifluoromethyl or C_{1-2}-alkoxy group or

two groups R_{13}, if they are bound to adjacent carbon atoms, together denote a C_{3-4}-alkylene, methylenedioxy or 1,3-butadien-1,4-ylene group,

or a tautomer or salt thereof.

Claim 8 (previously presented): A compound of the formula I according to claim 5, wherein

R_a denotes a hydrogen atom,

R_b denotes a phenyl, benzyl or 1-phenylethyl group wherein the phenyl nucleus is substituted in each case by the groups R_1 to R_3, wherein

R_1 and R_2, which may be identical or different, each denote a hydrogen, fluorine, chlorine or bromine atom or a methyl group and

R_3 denotes a hydrogen atom,

R_c and R_d each denote a hydrogen atom,

X denotes a methine group substituted by a cyano group, or a nitrogen atom,

C 1 A denotes an –NH- group,

B denotes a carbonyl group,

C denotes a 1,2-vinylene or an ethynylene group,

D denotes a C_{1-4}-alkylene group,

a -CO-NR_4-alkylene group wherein the alkylene moiety contains 2 or 3 carbon atoms, while the linking to the adjacent group C must take place via the carbonyl group wherein

R_4 denotes a hydrogen atom,

or, if D is bound to a nitrogen atom of the group E, it may also denote a carbonyl group,

E denotes an R_6O-CO-alkylene-NR_5 or (R_7O-PO-OR_8)-alkylene-NR_5 group wherein in each case the alkylene moiety, which is straight-chained and contains 1 to 2 carbon atoms, may additionally be substituted by a methyl group or by an R_6O-CO or R_6O-CO-methyl group, while

R_5 denotes a hydrogen atom,

a C_{1-2}-alkyl group which may be substituted by an R_6O-CO group,

an ethyl group optionally substituted by one or two methyl groups, which is terminally substituted by a hydroxy, C_{1-2}-alkylcarbonylsulphenyl or C_{1-2}-alkylcarbonyloxy group,

a 2,2-dimethoxyethyl or 2,2-diethoxyethyl group,

R_6 denotes a hydrogen atom,

a C_{1-8}-alkyl group,

a cyclopentyl, cyclopentylmethyl, cyclohexyl or cyclohexylmethyl group,

C 1

a phenyl group optionally substituted by one or two methyl groups, a phenylmethyl group which may be substituted in the phenyl moiety by one or two methyl groups, a 5-indanyl group or an R_gCO-O-(R_eCR_f) group, while

R_e denotes a hydrogen atom or a methyl group,

R_f denotes a hydrogen atom and

R_g denotes a C_{1-4}-alkyl or C_{1-2}-alkoxy group,

R_7 and R_8, which may be identical or different, in each case denote a hydrogen atom, a methyl, ethyl or phenyl group,

a pyrrolidino or piperidino group which is substituted by an R_6O-CO or R_6O-CO-methyl group, wherein R_6 is as hereinbefore defined,

a pyrrolidino or piperidino group which is substituted by two R_6O-CO or R_6O-CO-methyl groups wherein R_6 is as hereinbefore defined,

a piperazino group which is substituted in the 4 position by the group R_{10} and additionally at a cyclic carbon atom by an R_6O-CO group, while R_6 is as hereinbefore defined and

R_{10} denotes a hydrogen atom, a methyl or ethyl group,

a piperazino group which is substituted in the 4 position by an R_6O-CO-C_{1-4}-alkyl, bis-(R_6O-CO)-C_{1-4}-alkyl or (R_7O-PO-OR_8)-C_{1-2}-alkyl group wherein R_6 to R_8 are as hereinbefore defined,

a piperazino group which is substituted in the 4 position by an R_6O-CO-methyl group and additionally at a cyclic carbon atom by an R_6O-CO group wherein R_6 is as hereinbefore defined,

a morpholino group which is substituted by an R_6O-CO- group, wherein R_6 is as hereinbefore defined,

a 2-oxo-morpholino group which may be substituted by 1 to 2 C_{1-2}-alkyl groups,

a 2-oxo-thiomorpholino group which may be substituted by 1 to 2 C_{1-2}-alkyl groups,

a morpholino group which is substituted in the 2 position by a methoxy or ethoxy group,

a morpholino group which is substituted in the 2 and 6 positions in each case by a methoxy or ethoxy group,

a 2,2-dimethoxyethyl-NR_5, 2,2-diethoxyethyl-NR_5 or 1,3-dioxolan-2-yl-methyl-NR_5- group wherein R_5 is as hereinbefore defined,

an N-methyl-$R_{11}N$ or N-ethyl-$R_{11}N$ group wherein

R_{11} denotes a 2-oxo-tetrahydrofuran-3-yl or 2-oxo-tetrahydrofuran-4-yl group,

or D together with E denotes an R_gCO-O-(R_eCR_f)-O-CO group wherein R_e to R_g are as hereinbefore defined,

F and G together denote a hydrogen atom,

a methoxy, ethoxy, C_{4-6}-cycloalkoxy or C_{3-6}-cycloalkyl-C_{1-3}-alkoxy group,

or a tautomer or salt thereof.

Claim 9 (previously presented): A compound of the formula I according to claim 8, wherein R_b denotes a 1-phenylethyl group wherein the phenyl nucleus is substituted in each case by the groups R_1 to R_3, wherein

R_1 and R_2, which may be identical or different, each denote a hydrogen, fluorine, chlorine or bromine atom or a methyl group and

R_3 denotes a hydrogen atom,

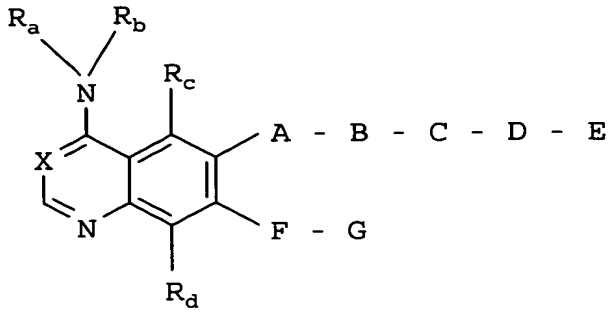
or a tautomer or salt thereof.

Claim 10 (previously presented): A compound of the formula I according to claim 8, wherein F and G together denote a C_{4-6}-cycloalkoxy or C_{3-6}-cycloalkyl-C_{1-3}-alkoxy group,

or a tautomer or salt thereof.

Claim 11 (previously presented): A compound of the formula I according to claim 8, wherein E denotes a 2-oxo-morpholino group which may be substituted by 1 to 2 C_{1-2}-alkyl groups, or a 2-oxo-thiomorpholino group which may be substituted by 1 to 2 C_{1-2}-alkyl groups.

Claim 12 (currently amended): A compound of the formula



, (I)

wherein

R_a denotes a hydrogen atom or a C_{1-4}-alkyl group,

R_b denotes a phenyl, benzyl or 1-phenylethyl group wherein the phenyl nucleus is substituted in each case by the groups R_1 to R_3, whilst

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R_1 and R_2, which may be identical or different, in each case denote a hydrogen, fluorine, chlorine, bromine or iodine atom,

a C_{1-4}-alkyl, hydroxy, C_{1-4}-alkoxy, C_{3-6}-cycloalkyl, C_{4-6}-cycloalkoxy, C_{2-5}-alkenyl or C_{2-5}-alkynyl group,

an aryl, aryloxy, arylmethyl or arylmethoxy group,

a C_{3-5}-alkenyloxy or C_{3-5}-alkynyloxy group, wherein the unsaturated moiety may not be linked to the oxygen atom,

a C_{1-4}-alkylsulphenyl, C_{1-4}-alkylsulphinyl, C_{1-4}-alkylsulphonyl, C_{1-4}-alkylsulphonyloxy, trifluoromethylsulphenyl, trifluoromethylsulphinyl or trifluoromethylsulphonyl group,

a methyl or methoxy group substituted by 1 to 3 fluorine atoms,

an ethyl or ethoxy group substituted by 1 to 5 fluorine atoms,

a cyano or nitro group or an amino group optionally substituted by one or two C_{1-4}-alkyl groups, wherein the substituents may be identical or different, or

R_1 together with R_2, if they are bound to adjacent carbon atoms, denote a -CH=CH-CH=CH, -CH=CH-NH or -CH=N-NH group and

R_3 denotes a hydrogen, fluorine, chlorine or bromine atom,

a C_{1-4}-alkyl, trifluoromethyl or C_{1-4}-alkoxy group,

R_c and R_d, which may be identical or different, in each case denote a hydrogen, fluorine or chlorine atom, a methoxy group, or a methyl group optionally substituted by a methoxy, dimethylamino, diethylamino, pyrrolidino, piperidino or morpholino group,

C 1 X denotes a methine group substituted by a cyano group or a nitrogen atom,

A denotes an oxygen atom or an –NH- group optionally substituted by a C_{1-4}-alkyl group,

B denotes a carbonyl or sulphonyl group,

C denotes a 1,3-allenylene, 1,1 or 1,2-vinylene group which may be substituted in each case by one or two methyl groups or by a trifluoromethyl group,

an ethynylene group or

a 1,3-butadien-1,4-ylene group optionally substituted by 1 to 4 methyl groups or by a trifluoromethyl group,

D together with E denotes a hydrogen atom,

a C_{1-4}-alkyl group optionally substituted by 1 to 5 fluorine atoms,

a C_{3-6}-cycloalkyl group,

an aryl, heteroaryl, C_{1-4}-alkylcarbonyl, arylcarbonyl or C_{1-4}-alkoxycarbonyl group,

an aminocarbonyl, C_{1-4}-alkylaminocarbonyl or di-(C_{1-4}-alkyl)-aminocarbonyl group or

a carbonyl group, which is substituted by a 4- to 7-membered alkyleneimino group, whilst in the abovementioned 6- to 7-membered alkyleneimino groups, a methylene group in the 4 position may be replaced by an oxygen or sulphur atom, by an imino group substituted by the group R_{10}, by a sulphinyl or sulphonyl group, wherein R_{10} denotes a hydrogen atom, a C_{1-4}-alkyl, formyl, C_{1-4}-alkylcarbonyl or C_{1-4}-alkylsulphonyl group~~is defined as in claim 5~~,

F denotes a C_{1-6}-alkylene group, a -O-C_{1-6}-alkylene group, wherein the alkylene moiety is linked to the group G, or an oxygen atom, whilst the latter may not be linked to a nitrogen atom of the group G, and

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G denotes an R_6O-CO-alkylene-NR_5, (R_7O-PO-OR_8)-alkylene-NR_5 or (R_7O-PO-R_9)-alkylene-NR_5-group wherein in each case the alkylene moiety, which is straight-chained and contains 1 to 6 carbon atoms, may additionally be substituted by one or two C_{1-2}-alkyl groups or by an R_6O-CO or R_6O-CO-C_{1-2}-alkyl group, wherein~~R_5 to R_9 are defined as in claim 5~~,

R_5 denotes a hydrogen atom,

a C_{1-4}-alkyl group, which may be substituted by an R_6O-CO, (R_7O-PO-OR_8) or (R_7O-PO-R_9) group,

an ethyl or propyl group optionally substituted by one or two methyl or ethyl groups, which may be terminally substituted in each case by a C_{1-6}-alkylcarbonylsulphenyl, C_{3-7}-cycloalkylcarbonylsulphenyl, C_{3-7}-cycloalkyl-C_{1-3}-alkylcarbonylsulphenyl, arylcarbonylsulphenyl or aryl-C_{1-3}-alkylcarbonylsulphenyl group,

an ethyl or propyl group optionally substituted by one or two methyl or ethyl groups which may be terminally substituted in each case by a C_{1-6}-alkylcarbonyloxy, C_{3-7}-cycloalkylcarbonyloxy, C_{3-7}-cycloalkyl-C_{1-3}-alkylcarbonyloxy, arylcarbonyloxy or aryl-C_{1-3}-alkylcarbonyloxy group,

an ethyl or propyl group optionally substituted by one or two methyl or ethyl groups, each of which may be terminally substituted by a hydroxy, C_{1-4}-alkoxy, amino, C_{1-4}-alkylamino or di-(C_{1-4}-alkyl)-amino group or by a 4- to 7-membered alkyleneimino group, whilst in the abovementioned 6- to 7-membered alkyleneimino groups a methylene group in the 4 position may be replaced by an oxygen or sulphur atom, by a sulphinyl, sulphonyl, imino or N-(C_{1-4}-alkyl)-imino group,

a C_{3-7}-cycloalkyl or C_{3-7}-cycloalkyl-C_{1-3}-alkyl group,

R_6, R_7 and R_8, which may be identical or different, in each case denote a hydrogen atom,

a C_{1-8}-alkyl group, which may be substituted by a hydroxy, C_{1-4}-alkoxy, amino, C_{1-4}-alkylamino or di-(C_{1-4}-alkyl)-amino group or by a 4- to 7-membered alkyleneimino group, whilst in the abovementioned 6- to 7-membered alkyleneimino groups in each case a methylene group in the 4 position may be replaced by an oxygen or sulphur atom or by a sulphinyl, sulphonyl, imino or N-(C_{1-4}-alkyl)-imino group,

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a C_{4-7}-cycloalkyl group optionally substituted by 1 or 2 methyl groups,

a C_{3-5}-alkenyl or C_{3-5}-alkynyl group, wherein the unsaturated part may not be linked to the oxygen atom,

a C_{3-7}-cycloalkyl-C_{1-4}-alkyl, aryl, aryl-C_{1-4}-alkyl or R_gCO-O-(R_eCR_f)-group, whilst

R_e and R_f, which may be identical or different, in each case denote a hydrogen atom or a C_{1-4}-alkyl group and

R_g denotes a C_{1-4}-alkyl, C_{3-7}-cycloalkyl, C_{1-4}-alkoxy or C_{5-7}-cycloalkoxy group,

and R_9 denotes a C_{1-4}-alkyl, aryl or aryl-C_{1-4}-alkyl group,

a 4- to 7-membered alkyleneimino group which is substituted by an R_6O-CO, (R_7O-PO-OR_8), (R_7O-PO-R_9), R_6O-CO-C_{1-4}-alkyl, bis-(R_6O-CO)-C_{1-4}-alkyl, (R_7O-PO-OR_8)-C_{1-4}-alkyl or (R_7O-PO-R_9)-C_{1-4}-alkyl group wherein R_6 to R_9 are defined ~~as in claim 5~~as set forth previously in this claim,

a 4- to 7-membered alkyleneimino group which is substituted by two R_6O-CO or R_6O-CO-C_{1-4}-alkyl groups or by an R_6O-CO-group and an R_6O-CO-C_{1-4}-alkyl group wherein R_6 is defined ~~as in claim 5~~as set forth previously in this claim,

a piperazino or homopiperazino group which is substituted in the 4 position by the group R_{10} and is additionally substituted at a cyclic carbon atom by an R_6O-CO, (R_7O-PO-OR_8), (R_7O-PO-R_9), R_6O-CO-C_{1-4}-alkyl, bis-(R_6O-CO)-C_{1-4}-alkyl, (R_7O-PO-OR_8)-C_{1-4}-alkyl or (R_7O-PO-R_9)-C_{1-4}-alkyl group wherein R_6 to R_{10} are defined ~~as in claim 5~~as set forth previously in this claim,

C1

a piperazino or homopiperazino group which is substituted in the 4 position by the group R_{10} and is additionally substituted at cyclic carbon atoms by two R_6O-CO or R_6O-CO-C_{1-4}-alkyl groups or by an R_6O-CO group and an R_6O-CO-C_{1-4}-alkyl group wherein R_6 and R_{10} are defined ~~as in claim 5~~as set forth previously in this claim,

a piperazino or homopiperazino group which is substituted in each case in the 4 position by an R_6O-CO-C_{1-4}-alkyl, bis-(R_6O-CO)-C_{1-4}-alkyl, (R_7O-PO-OR_8)-C_{1-4}-alkyl or (R_7O-PO-R_9)-C_{1-4}-alkyl group wherein R_6 to R_9 are defined ~~as in claim 5~~as set forth previously in this claim,

a piperazino or homopiperazino group which is substituted in the 4 position by an R_6O-CO-C_{1-4}-alkyl, bis-(R_6O-CO)-C_{1-4}-alkyl, (R_7O-PO-OR_8)-C_{1-4}-alkyl or (R_7O-PO-R_9)-C_{1-4}-alkyl group and is additionally substituted at cyclic carbon atoms by one or two R_6O-CO or R_6O-CO-C_{1-4}-alkyl groups or by an R_6O-CO-group and an R_6O-CO-C_{1-4}-alkyl group wherein R_6 to R_9 are defined ~~as in claim 5~~as set forth previously in this claim,

a morpholino or homomorpholino group which is substituted in each case by an R_6O-CO, (R_7O-PO-OR_8), (R_7O-PO-R_9), R_6O-CO-C_{1-4}-alkyl, bis-(R_6O-CO)-C_{1-4}-alkyl, (R_7O-PO-OR_8)-

C_{1-4}-alkyl or (R_7O-PO-R_9)-C_{1-4}-alkyl group wherein R_6 to R_9 are defined ~~as in claim 5~~as set forth previously in this claim,

a morpholino or homomorpholino group which is substituted by two R_6O-CO or R_6O-CO-C_{1-4}-alkyl groups or by an R_6O-CO-group and an R_6O-CO-C_{1-4}-alkyl group wherein R_6 is defined as ~~in claim 5~~set forth previously in this claim,

a pyrrolidinyl, piperidinyl or hexahydroazepinyl group substituted in the 1 position by the group R_{10}, whilst the abovementioned 5- to 7-membered rings are in each case additionally substituted at a carbon atom by an R_6O-CO, (R_7O-PO-OR_8), (R_7O-PO-R_9), R_6O-CO-C_{1-4}-alkyl, bis-(R_6O-CO)-C_{1-4}-alkyl, (R_7O-PO-OR_8)-C_{1-4}-alkyl or (R_7O-PO-R_9)-C_{1-4}-alkyl group wherein R_6 to R_{10} are defined as ~~in claim 5~~set forth previously in this claim,

a pyrrolidinyl, piperidinyl or hexahydroazepinyl group substituted in the 1 position by the group R_{10}, while the abovementioned 5- to 7-membered rings are in each case additionally substituted at carbon atoms by two R_6O-CO or R_6O-CO-C_{1-4}-alkyl groups or by an R_6O-CO-group and an R_6O-CO-C_{1-4}-alkyl group wherein R_6 and R_{10} are defined as ~~in claim 5~~set forth previously in this claim,

C 1

a pyrrolidinyl, piperidinyl or hexahydroazepinyl group substituted in the 1 position by an R_6O-CO-C_{1-4}-alkyl, bis-(R_6O-CO)-C_{1-4}-alkyl, (R_7O-PO-OR_8)-C_{1-4}-alkyl or (R_7O-PO-R_9)-C_{1-4}-alkyl group wherein R_6 to R_9 are defined as ~~in claim 5~~set forth previously in this claim,

a pyrrolidinyl, piperidinyl or hexahydroazepinyl group substituted in the 1 position by an R_6O-CO-C_{1-4}-alkyl, bis-(R_6O-CO)-C_{1-4}-alkyl, (R_7O-PO-OR_8)-C_{1-4}-alkyl or (R_7O-PO-R_9)-C_{1-4}-alkyl group, while the abovementioned 5- to 7-membered rings are in each case additionally substituted at carbon atoms by one or two R_6O-CO or R_6O-CO-C_{1-4}-alkyl groups or by an R_6O-CO-group and an R_6O-CO-C_{1-4}-alkyl group wherein R_6 to R_9 are defined as ~~in claim 5~~set forth previously in this claim,

a 2-oxo-morpholino group which may be substituted by 1 or 2 methyl groups,

a 2-oxo-morpholinyl group which is substituted in the 4 position by a hydrogen atom, by a C_{1-4}-alkyl, R_6O-CO-C_{1-4}-alkyl, (R_7O-PO-OR_8)-C_{1-4}-alkyl or (R_7O-PO-R_9)-C_{1-4}-alkyl group,

while R_6 to R_9 are defined as in claim 1 and the abovementioned 2-oxo-morpholinyl groups are in each case linked to a carbon atom of the group F,

a morpholino or thiomorpholino group which is substituted in the 2 position by a C_{1-4}-alkoxy group,

a morpholino or thiomorpholino group which is substituted in the 2 and 6 position by a C_{1-4}-alkoxy group,

a C_{1-4}-alkyl-NR_5-group wherein the C_{1-4}-alkyl moiety, which is straight-chained and may additionally be substituted by one or two methyl groups, is in each case terminally substituted by a di-(C_{1-4}-alkoxy)-methyl or tri-(C_{1-4}-alkoxy)-methyl group, whilst R_5 is defined as ~~in claim 5~~set forth previously in this claim,

a C_{1-4}-alkyl-NR_5-group wherein the C_{1-4}-alkyl moiety, which is straight-chained and may additionally be substituted by one or two methyl groups, is terminally substituted in each case by a 1,3-dioxolan-2-yl or 1,3-dioxan-2-yl-group optionally substituted by one or two methyl groups, while R_5 is defined as ~~in claim 5~~set forth previously in this claim,

an R_hNR_5-group wherein R_5 is as hereinbefore defined and R_h denotes a 2-oxo-tetrahydrofuran-3-yl, 2-oxo-tetrahydrofuran-4-yl, 2-oxo-tetrahydropyran-3-yl, 2-oxo-tetrahydropyran-4-yl or 2-oxo-tetrahydropyran-5-yl group optionally substituted by one or two methyl groups,

whilst by the aryl moieties mentioned in the definitions of the abovementioned groups is meant a phenyl group which in each case may be monosubstituted by R_{12}, mono-, di- or trisubstituted by R_{13} or monosubstituted by R_{12} and additionally mono- or disubstituted by R_{13}, whilst the substituents may be identical or different and

R_{12} denotes a cyano, carboxy, C_{1-4}-alkoxycarbonyl, aminocarbonyl, C_{1-4}-alkylaminocarbonyl, di-(C_{1-4}-alkyl)-aminocarbonyl, C_{1-4}-alkylsulphenyl, C_{1-4}-alkylsulphinyl, C_{1-4}-alkylsulphonyl, hydroxy, C_{1-4}-alkylsulphonyloxy, trifluoromethyloxy, nitro, amino, C_{1-4}-alkylamino, di-(C_{1-4}-alkyl)-amino, C_{1-4}-alkyl-carbonylamino, N-(C_{1-4}-alkyl)-C_{1-4}-alkylcarbonylamino, C_{1-4}-alkylsulphonylamino,

N-(C_{1-4}-alkyl)-C_{1-4}-alkylsulphonylamino, aminosulphonyl, C_{1-4}-alkylaminosulphonyl or di-(C_{1-4}-alkyl)-aminosulphonyl group or a carbonyl group, which is substituted by a 5- to 7-membered alkyleneimino group, wherein in the abovementioned 6- to 7-membered alkyleneimino groups in each case a methylene group in the 4 position may be replaced by an oxygen or sulphur atom, by a sulphinyl, sulphonyl, imino or N-(C_{1-4}-alkyl)-imino group, and

R_{13} denotes a fluorine, chlorine, bromine or iodine atom, a C_{1-4}-alkyl, trifluoromethyl or C_{1-4}-alkoxy group or

two groups R_{13}, if they are bound to adjacent carbon atoms, together denote a C_{3-5}-alkylene, methylenedioxy or 1,3-butadien-1,4-ylene group,

and moreover, the heteroaryl groups mentioned in the definitions of the abovementioned groups also include a 5-membered heteroaromatic group which contains an imino group, an oxygen or sulphur atom or an imino group, an oxygen or sulphur atom and one or two nitrogen atoms, or

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a 6-membered heteroaromatic group which contains one, two or three nitrogen atoms,

whilst the abovementioned 5-membered heteroaromatic groups may be substituted in each case by 1 or 2 methyl or ethyl groups and the abovementioned 6-membered heteroaromatic groups may be substituted in each case by 1 or 2 methyl or ethyl groups or by a fluorine, chlorine, bromine or iodine atom, or by a trifluoromethyl, hydroxy, methoxy or ethoxy group,

or a tautomer or salt thereof.

Claim 13 (currently amended): A compound of the formula I according to claim 12, wherein

R_a denotes a hydrogen atom,

R_b denotes a phenyl, benzyl or 1-phenylethyl group wherein the phenyl nucleus is substituted in each case by the groups R_1 to R_3, while

R_1 and R_2, which may be identical or different, each denote a hydrogen, fluorine, chlorine, bromine or iodine atom,

a methyl, ethyl, hydroxy, methoxy, ethoxy, amino, cyano, vinyl or ethynyl group,

an aryl, aryloxy, arylmethyl or arylmethoxy group,

a methyl or methoxy group substituted by 1 to 3 fluorine atoms or

R_1 together with R_2, if they are bound to adjacent carbon atoms, denote a -CH=CH-CH=CH, -CH=CH-NH or -CH=N-NH group and

R_3 denotes a hydrogen, fluorine, chlorine or bromine atom,

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R_c and R_d in each case denote a hydrogen atom,

X denotes a methine group substituted by a cyano group or a nitrogen atom,

A denotes an –NH- group optionally substituted by a methyl or ethyl group,

B denotes a carbonyl group,

C denotes a 1,1- or 1,2-vinylene group which is substituted in each case by one or two methyl groups or may be substituted by a trifluoromethyl group,

an ethynylene group or

a 1,3-butadien-1,4-ylene group optionally substituted by a methyl or trifluoromethyl group,

D together with E denotes a hydrogen atom,

a methyl, trifluoromethyl or aryl group,

F denotes an -O-C_{1-4}-alkylene group, wherein the alkylene moiety is linked to the group G, or an oxygen atom, while this may not be linked to a nitrogen atom of the group G, and

G denotes an R_6O-CO-alkylene-NR_5, (R_7O-PO-OR_8)-alkylene-NR_5 or (R_7O-PO-R_9)-alkylene-NR_5 group wherein in each case the alkylene moiety, which is straight-chained and contains 1 to 4 carbon atoms, may additionally be substituted by one or two C_{1-2}-alkyl groups or by an R_6O-CO or R_6O-CO-C_{1-2}-alkyl group, while R_5 to R_9 are defined as in claim ~~5~~12,

a 4- to 7-membered alkyleneimino group which is substituted by an R_6O-CO, R_6O-CO-C_{1-4}-alkyl or bis-(R_6O-CO)-C_{1-4}-alkyl group wherein R_6 is defined as in claim ~~5~~12,

a 4- to 7-membered alkyleneimino group which is substituted by two R_6O-CO or R_6O-CO-C_{1-4}-alkyl groups wherein R_6 is defined as in claim ~~5~~12,

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a piperazino or homopiperazino group which is substituted in the 4 position by the group R_{10} and is additionally substituted at a cyclic carbon atom by an R_6O-CO, R_6O-CO-C_{1-4}-alkyl or bis-(R_6O-CO)-C_{1-4}-alkyl group wherein R_6 and R_{10} are defined as in claim ~~5~~12,

a piperazino or homopiperazino group which is substituted in the 4 position by the group R_{10} and is additionally substituted at cyclic carbon atoms by two R_6O-CO or R_6O-CO-C_{1-4}-alkyl groups wherein R_6 and R_{10} are defined as in claim ~~5~~12,

a piperazino or homopiperazino group which is substituted in each case in the 4 position by an R_6O-CO-C_{1-4}-alkyl, bis-(R_6O-CO)-C_{1-4}-alkyl, (R_7O-PO-OR_8)-C_{1-4}-alkyl or (R_7O-PO-R_9)-C_{1-4}-alkyl group wherein R_6 to R_9 are defined as in claim ~~5~~12,

a piperazino or homopiperazino group which is substituted in the 4 position by an R_6O-CO-C_{1-4}-alkyl or bis-(R_6O-CO)-C_{1-4}-alkyl group and additionally at cyclic carbon atoms by one or two R_6O-CO or R_6O-CO-C_{1-4}-alkyl groups wherein R_6 is defined as in claim ~~5~~12,

a morpholino or homomorpholino group which is substituted in each case by an R_6O-CO, R_6O-CO-C_{1-4}-alkyl or bis-(R_6O-CO)-C_{1-4}-alkyl group wherein R_6 is defined as in claim ~~5~~12,

a morpholino or homomorpholino group which is substituted by two R_6O-CO or R_6O-CO-C_{1-4}-alkyl groups wherein R_6 is defined as in claim ~~5~~12,

a pyrrolidinyl, piperidinyl or hexahydroazepinyl group substituted in the 1 position by the group R_{10}, while the abovementioned 5- to 7-membered rings in each case are additionally substituted at a carbon atom by an R_6O-CO, R_6O-CO-C_{1-4}-alkyl or bis-(R_6O-CO)-C_{1-4}-alkyl group wherein R_6 and R_{10} are defined as in claim ~~5~~12,

a pyrrolidinyl, piperidinyl or hexahydroazepinyl group substituted in the 1 position by the group R_{10}, while the abovementioned 5- to 7-membered rings in each case are additionally substituted at carbon atoms by two R_6O-CO or R_6O-CO-C_{1-4}-alkyl groups wherein R_6 and R_{10} are defined as in claim ~~5~~12,

a pyrrolidinyl, piperidinyl or hexahydroazepinyl group substituted in the 1 position by an R_6O-CO-C_{1-4}-alkyl, bis-(R_6O-CO)-C_{1-4}-alkyl, (R_7O-PO-OR_8)-C_{1-4}-alkyl or (R_7O-PO-R_9)-C_{1-4}-alkyl group wherein R_6 to R_9 are defined as in claim ~~5~~12,

a pyrrolidinyl, piperidinyl or hexahydroazepinyl group substituted in the 1 position by an R_6O-CO-C_{1-4}-alkyl or bis-(R_6O-CO)-C_{1-4}-alkyl group, while the abovementioned 5- to 7-membered rings in each case are additionally substituted at carbon atoms by one or two R_6O-CO or R_6O-CO-C_{1-4}-alkyl groups wherein R_6 is defined as in claim ~~5~~12,

a 2-oxo-morpholino group which may be substituted by 1 or 2 methyl groups,

a 2-oxo-morpholinyl group which is substituted in the 4 position by a C_{1-4}-alkyl or R_6O-CO-C_{1-4}-alkyl group, while R_6 is defined as in claim 2 and the abovementioned 2-oxo-morpholinyl groups are each are linked to a carbon atom of the group F,

a morpholino group which is substituted in the 2 position by a C_{1-4}-alkoxy group,

a morpholino group which is substituted in the 2 and 6 positions in each case by a C_{1-4}-alkoxy group,

a C_{1-4}-alkyl-NR_5 group wherein the C_{1-4}-alkyl moiety, which is straight-chained, is terminally substituted by a di-(C_{1-4}-alkoxy)-methyl group, while R_5 is defined as in claim ~~5~~12,

a C_{1-4}-alkyl-NR_5 group wherein the C_{1-4}-alkyl moiety, which is straight-chained, is terminally substituted by a 1,3-dioxolan-2-yl or 1,3-dioxan-2-yl group, while R_5 is defined as in claim ~~5~~12,

a R_hNR_5 group wherein R_5 is defined as in claim 2 and R_h denotes a substituted 2-oxo-tetrahydrofuran-3-yl, 2-oxo-tetrahydrofuran-4-yl, 2-oxo-tetrahydropyran-3-yl, 2-oxo-tetrahydropyran-4-yl or 2-oxo-tetrahydropyran-5-yl group optionally by one or two methyl groups,

while the aryl moieties mentioned in the definition of the abovementioned groups denote a phenyl group which may in each case be monosubstituted by R_{12}, mono- or disubstituted by R_{13} or monosubstituted by R_{12} and additionally mono or disubstituted by R_{13}, while the substituents may be identical or different and

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R_{12} denotes a cyano, C_{1-2}-alkoxycarbonyl, aminocarbonyl, C_{1-2}-alkylaminocarbonyl, di-(C_{1-2}-alkyl)-aminocarbonyl, C_{1-2}-alkylsulphenyl, C_{1-2}-alkylsulphinyl, C_{1-2}-alkylsulphonyl, hydroxy, nitro, amino, C_{1-2}-alkylamino or di-(C_{1-2}-alkyl)-amino group and

R_{13} denotes a fluorine, chlorine, bromine or iodine atom, a C_{1-2}-alkyl, trifluoromethyl or C_{1-2}-alkoxy group or

two groups R_{13}, if they are bound to adjacent carbon atoms, together denote a C_{3-5}-alkylene, methylenedioxy or 1,3-butadien-1,4-ylene group,

or a tautomer or salt thereof.

Claim 14 (currently amended): A compound of the formula I according to claim 12, wherein

R_a denotes a hydrogen atom,

R_b denotes a phenyl, benzyl or 1-phenylethyl group wherein the phenyl nucleus is substituted in each case by the groups R_1 to R_3, while

R_1 and R_2, which may be identical or different, each denote a hydrogen, fluorine, chlorine or bromine atom, or a methyl, trifluoromethyl, methoxy, ethynyl or cyano group,

R_3 denotes a hydrogen atom,

R_c and R_d in each case denote a hydrogen atom,

X denotes a methine group substituted by a cyano group, or a nitrogen atom,

C 1 A denotes an –NH- group,

B denotes a carbonyl group,

C denotes a 1,1- or 1,2-vinylene group,

an ethynylene group or

a 1,3-butadien-1,4-ylene group,

D together with E denotes a hydrogen atom,

a methyl, trifluoromethyl or aryl group,

F denotes an -O-C_{1-4}-alkylene group, wherein the alkylene moiety is linked to the group G, or an oxygen atom, while this may not be linked to a nitrogen atom of the group G, and

G denotes an R_6O-CO-alkylene-NR_5 group wherein the alkylene moiety, which is straight-chained and contains 1 to 4 carbon atoms, may additionally be substituted by one or two

C_{1-2}-alkyl groups or by an R_6O-CO or R_6O-CO-C_{1-2}-alkyl group, while R_5 and R_6 are defined as in claim ~~5~~12,

a pyrrolidino or piperidino group which is substituted by an R_6O-CO or R_6O-CO-C_{1-2}-alkyl group wherein R_6 is defined as in claim ~~5~~12,

a pyrrolidino or piperidino group which is substituted by two R_6O-CO or R_6O-CO-C_{1-2}-alkyl groups wherein R_6 is defined as in claim ~~5~~12,

a piperazino group which is substituted in the 4 position by the group R_{10} and additionally at a cyclic carbon atom by an R_6O-CO, or R_6O-CO-C_{1-2}-alkyl group, while R_6 and R_{10} are defined as in claim ~~5~~12,

a piperazino group which is substituted in the 4 position by an R_6O-CO-C_{1-4}-alkyl, bis-(R_6O-CO)-C_{1-4}-alkyl or (R_7O-PO-OR_8)-C_{1-2}-alkyl group wherein R_6 to R_8 are defined as in claim ~~5~~12,

a piperazino group which is substituted in the 4 position by an R_6O-CO-C_{1-2}-alkyl group and additionally at a cyclic carbon atom by an R_6O-CO or R_6O-CO-C_{1-2}-alkyl group wherein R_6 is defined as in claim ~~5~~12,

a morpholino group which is substituted by an R_6O-CO or R_6O-CO-C_{1-2}-alkyl group, while R_6 is defined as in claim ~~5~~12,

a piperidinyl group substituted in the 1 position by an R_6O-CO-C_{1-4}-alkyl, bis-(R_6O-CO)-C_{1-4}-alkyl or (R_7O-PO-OR_8)-C_{1-2}-alkyl group wherein R_6 to R_8 are defined as in claim ~~5~~12,

a 2-oxo-morpholino group which may be substituted by 1 or 2 methyl groups,

a 2-oxo-morpholinyl group which is substituted in the 4 position by a methyl, ethyl or R_6O-CO-C_{1-2}-alkyl group, while R_6 is defined as in claim 3 and the abovementioned 2-oxo-morpholinyl groups in each case are linked to a carbon atom of the group F,

a morpholino group which is substituted in the 2 position by a methoxy or ethoxy group,

a morpholino group which is substituted in the 2 and 6 positions in each case by a methoxy or ethoxy group,

a 2,2-dimethoxyethyl-NR_5, 2,2-diethoxyethyl-NR_5, 1,3-dioxolan-2-yl-methyl-NR_5 or 1,3-dioxan-2-yl-methyl-NR_5 group wherein R_5 is defined as in claim ~~5~~12,

while the aryl moieties mentioned in the definition of the abovementioned groups denote a phenyl group which may be mono- or disubstituted by R_{13}, while the substituents may be identical or different and

R_{13} denotes a fluorine, chlorine, bromine or iodine atom, a C_{1-2}-alkyl, trifluoromethyl or C_{1-2}-alkoxy group or

two groups R_{13}, if they are bound to adjacent carbon atoms, together denote a C_{3-4}-alkylene, methylenedioxy or 1,3-butadien-1,4-ylene group,

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or a tautomer or salt thereof.

Claim 15 (currently amended): A compound of the formula I according to claim 12, wherein

R_a denotes a hydrogen atom,

R_b denotes a phenyl, benzyl or 1-phenylethyl group wherein the phenyl nucleus is substituted in each case by the groups R_1 to R_3, wherein

R_1 and R_2, which may be identical or different, each denote a hydrogen, fluorine, chlorine or bromine atom or a methyl group and

R_3 denotes a hydrogen atom,

R_c and R_d each denote a hydrogen atom,

X denotes a methine group substituted by a cyano group, or a nitrogen atom,

A denotes an –NH- group,

B denotes a carbonyl group,

C denotes a 1,2-vinylene or an ethynylene group,

D together with E denotes a hydrogen atom or a methyl group,

F denotes an -O-C_{1-4}-alkylene group, while the alkylene moiety is linked to the group G, or an oxygen atom, which may not be linked to a nitrogen atom of the group G, and

G denotes an R_6O-CO-alkylene-NR_5 group wherein the alkylene moiety, which is straight-chained and contains 1 or 2 carbon atoms, may additionally be substituted by a methyl group or by an R_6O-CO or R_6O-CO-methyl group, while R_5 and R_6 are defined as in claim ~~5~~12,

a pyrrolidino or piperidino group which is substituted by an R_6O-CO or R_6O-CO-methyl group wherein R_6 is defined as in claim ~~5~~12,

a pyrrolidino or piperidino group which is substituted by two R_6O-CO or R_6O-CO-methyl groups wherein R_6 is defined as in claim ~~5~~12,

a piperazino group which is substituted in the 4 position by an R_6O-CO-C_{1-4}-alkyl, bis-(R_6O-CO)-C_{1-4}-alkyl or (R_7O-PO-OR_8)-C_{1-2}-alkyl group wherein R_6 to R_8 are defined as in claim ~~5~~12,

a piperidinyl group substituted in the 1 position by an R_6O-CO-C_{1-2}-alkyl group wherein R_6 is defined as in claim ~~5~~12,

or a tautomer or salt thereof.

Claim 16 (previously presented): A compound of the formula I according to claim 15, wherein R_b denotes a 1-phenylethyl group wherein the phenyl nucleus is substituted in each case by the groups R_1 to R_3, wherein

R_1 and R_2, which may be identical or different, each denote a hydrogen, fluorine, chlorine or bromine atom or a methyl group and

R_3 denotes a hydrogen atom,

or a tautomer or salt thereof.

Claim 17 (previously presented): A compound selected from the group consisting of:

(a) 4-[(3-bromophenyl)amino]-7-(3-{4-[(ethoxycarbonyl)methyl]-piperazin-1-yl}propyloxy)-6-[(vinylcarbonyl)amino]-quinazoline,

(b) 4-[(3-bromophenyl)amino]-7-(3-{4-[3-(ethoxycarbonyl)propyl]-piperazin-1-yl}propyloxy)-6-[(vinylcarbonyl)amino]-quinazoline,

(c) 4-[(3-bromophenyl)amino]-7-({1-[(ethoxycarbonyl)methyl]-piperidin-4-yl}oxy)-6-[(vinylcarbonyl)amino]-quinazoline,

(d) 4-[(3-bromophenyl)amino]-7-(3-{4-[(diethoxyphosphoryl)methyl]-piperazin-1-yl}propyloxy)-6-[(vinylcarbonyl)amino]-quinazoline,

(e) 4-[(3-bromophenyl)amino]-7-(3-{N-[(ethoxycarbonyl)methyl]-N-methylamino}propyloxy)-6-[(vinylcarbonyl)amino]-quinazoline,

(f) 4-[(3-bromophenyl)amino]-6-[(4-{N-[(ethoxycarbonyl)methyl]-N-methylamino}-1-oxo-2-buten-1-yl)amino]-quinazoline,

(g) 4-[(3-bromophenyl)amino]-6-[(4-{N-[(diethoxyphosphoryl)methyl]-N-methylamino}-1-oxo-2-buten-1-yl)amino]-7-methoxy-quinazoline,

(h) (*R*)-4-[(1-phenylethyl)amino]-6-[(4-{N-[(ethoxycarbonyl)methyl]-N-methylamino}-1-oxo-2-buten-1-yl)amino]-7-methoxy-quinazoline,

(i) 4-[(3-bromophenyl)amino]-6-({4-[N-(2,2-dimethoxyethyl)-N-methylamino]-1-oxo-2-buten-1-yl}amino)-7-methoxy-quinazoline,

(j) 4-[(3-bromophenyl)amino]-6-{[4-(2-ethoxy-morpholin-4-yl)-1-oxo-2-buten-1-yl]amino}-7-methoxy-quinazoline,

(k) 4-[(3-bromophenyl)amino]-3-cyano-6-[(4-{N-[(ethoxycarbonyl)methyl]-N-methylamino}-1-oxo-2-buten-1-yl)amino]-quinoline,

(l) 4-[(3-chloro-4-fluorophenyl)amino]-6-[(4-{4-[(ethoxycarbonyl)methyl]-piperazin-1-yl}-1-oxo-2-buten-1-yl)amino]-7-cyclopropylmethoxy-quinazoline,

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(m) 4-[(3-chloro-4-fluorophenyl)amino]-6-[(4-{N-[2-(ethoxycarbonyl)-ethyl]-N-[(ethoxycarbonyl)methyl]amino}-1-oxo-2-buten-1-yl)amino]-7-cyclopropylmethoxy-quinazoline,

(n) 4-[(3-chloro-4-fluorophenyl)amino]-6-{[4-(2-oxo-morpholin-4-yl)-1-oxo-2-buten-1-yl]amino}-7-cyclopropylmethoxy-quinazoline,

(o) 4-[(3-chloro-4-fluorophenyl)amino]-6-[(4-{4-[(ethoxycarbonyl)methyl]-piperazin-1-yl}-1-oxo-2-buten-1-yl)amino]-7-cyclobutyloxy-quinazoline,

(p) 4-[(3-chloro-4-fluorophenyl)amino]-6-[(4-{4-[(ethoxycarbonyl)methyl]-piperazin-1-yl}-1-oxo-2-buten-1-yl)amino]-7-(2-cyclopropylethoxy)-quinazoline,

(q) (*S*)-4-[(3-chloro-4-fluorophenyl)amino]-6-({4-[2-(methoxycarbonyl)-pyrrolidin-1-yl]-1-oxo-2-buten-1-yl}amino)-7-cyclopropylmethoxy-quinazoline,

(r) 4-[(3-chloro-4-fluorophenyl)amino]-6-[(4-{N-[(ethoxycarbonyl)methyl]-N-[2-(acetylsulphanyl)ethyl]amino}-1-oxo-2-buten-1-yl)amino]-7-cyclopropylmethoxy-quinazoline, and

(s) 4-[(3-chloro-4-fluorophenyl)amino]-6-[(4-{N-[(ethoxycarbonyl)-methyl]-N-[2-(methylcarbonyloxy)ethyl]amino}-1-oxo-2-buten-1-yl)amino]-7-cyclopropylmethoxy-quinazoline,
or a salt thereof.

Claim 18 (previously presented): A physiologically acceptable salt of a compound according to claim 5.

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Claim 19 (previously presented): A pharmaceutical composition comprising a compound according to claim 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16 or 17 or a physiologically acceptable salt thereof and a pharmaceutically acceptable carrier or diluent.

Claim 20 (previously presented): A method for treating a benign or malignant tumour, a disease of the airways or lungs, polyps, a disease of the gastrointestinal tract, the bile duct or the gall bladder, kidneys or skin, which method comprises administering a therapeutically effective amount of a compound according to claim 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16 or 17 or a physiologically acceptable salt thereof.